

<222> (591)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (607)
 <223> a, t, c, g, other or unknown

<220>
 <221> modified_base
 <222> (609)
 <223> a, t, c, g, other or unknown

<220>
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 <222> (616)
 <223> a, t, c, g, other or unknown

<400> 119
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 acacgtttcc aacggattac gtgccgactg tttttgacaa ttttagtgca aatgtggttg 120
 ttgatggcaa tacagtaaac cttggcttgt gggacactgc agggcaagaa gattacaaca 180
 gactgaggcc attgagttat agaggtgcag atgcttttct gcttgccctt tctctgatca 240
 gcaaggctag ttatgaaaat atatcaaaga agtggattcc agaacttaga cattatgcac 300
 caaatgtgcc aatcattctt gtgggaacta aattagattt gcgtgatgac aagcagttct 360
 ttgctgatca tcctggagca gccctataa caacagctca aggtgaagag ttgaagaagc 420
 agattggagc agcagcatat attgagtgc gttccaaaac ccagcagaat gtcaaggctg 480
 tttttgatgc tgcaattaaa gtggttcttc agccaccaa gcagaaaaag cggagaaaaa 540
 agcagaaaaa ttgttctatt ctctaagaaa aatgtggatg ttctgaacgc ncttactga 600
 caataangnt gacgtnggaa tatcttcttc c 631

<210> 120
 <211> 443
 <212> DNA
 <213> Pinus taeda

<400> 120
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 taatgatgga tcaataccac taagtggcag ctggcgatca tctctgcaat gataagaacc 120
 agtatcagtc cccatataat caggagatat ctccagcacc tgctgcacta catgtggatc 180
 ttagtacaga gctgatcat cctgaacacc aacaatatac gttgaagctc cgggctttcc 240
 accagcaata ccaagacttt ggggaaatgt gaacgtttca cgaagtgatg gtacatacct 300
 tgggttgatc ttctctacac caagaacaag cggcaccaaa atcaggatag gcacttggtc 360
 ttccccttct ccattggacc actctgaaca caagcctcgc agcatcatca atgcagataa 420
 ctgggcgccc tccacggtca ctt 443

<210> 121
 <211> 327
 <212> DNA
 <213> Pinus taeda

<400> 121
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 taggaatcaa catgaaatca gctccagctg ttatcatatg agcaagtggc acgttaaact 120
 ttgctactcc cctgacgttg tctggatatt tctcttcaag ctcttcaagc tgcttctcca 180
 agtacttttt accggtgcct aggataatta actgcacggt ttcattctgca attagagggg 240

cagcttcagc aagaatatct ggacctttct gctcttcaag tcttccaata aatcctataa 300
caggaatatc tggatccacg gtcacct 327

<210> 122
<211> 284
<212> DNA
<213> Pinus taeda

<400> 122
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ggcctcaagt cgccctgaat ttggtcaaca acatcttgat agagcgagag gacgctccca 120
attaagatct ggaaactgtc gagagtgatt gaggtcattt ttaatctaaa ctgaattgtg 180
gggacaattt ttcaattcag atccttctag caaagcaaag caaagcttaa cagtattgta 240
tccatgagaa tggattctgc acaggtcagg ctccacggtc acct 284

<210> 123
<211> 412
<212> DNA
<213> Pinus taeda

<400> 123
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cgtcgtggga ggacagagct ccgggaaatc ctctgtgctg gagagcatcg ttggaaggga 120
ttttttaccg cgtggatcag gtattgttac tagacggccg cttgtccttc aacttcacaa 180
gactgatgaa ggcagcaggg attacgccga attccttcac caaccagaa agaaatacac 240
cgactttgca ctggttaagga aggaaattgc ggatgagact gatcgaatta cagggcgcttc 300
caagcaagtc tcaagtgtcc caattcacct tagtatttat tcacccaatg tttgtaaatt 360
tgactctaatt tgatctccct gggttgacaa aagtggctat tgacggtcac ct 412

<210> 124
<211> 235
<212> DNA
<213> Pinus taeda

<400> 124
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tggctccact ccacaatacg atgttcatcg ttttgatcac aatacagggt tgtagtcca 120
agtaggtgcy ctgctgcaga cagtggggca gccctcgtgg gcttggactg cctgtcatac 180
tgttctctcc ttgcttcagg ctctactgct gttgctgctg ctgatacggg cacct 235

<210> 125
<211> 353
<212> DNA
<213> Pinus taeda

<400> 125
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tgcaggcttc ttgctgcctg agacaggagc ctcaagaaat cttccccct tttcaatgat 120
tgccctcattg atctttgttg aagtgatagt atcaactgtt gacatgtcaa tgtatccttt 180
tccgttacac atttgcctta ggacaccatc cgagagggca gcaggaggat cagacaggat 240
ggctatggta tagttgcact tctttacaac ttccggcagga gtgcttctta tggaagcacc 300
ttgctgaaca agttcttcac acctagacat tgtcctattc cacacgggtc cct 353

<210> 126
 <211> 355
 <212> DNA
 <213> Pinus taeda

<400> 126
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 gcaggcttct ggctgcctga gacaggagcc tcatgaaatc ttccccctt ttcaatgatt 120
 gcctcattga tctttgttga aatgataata tcaactgttg acatgtcaat gtatcctttg 180
 tcctgtacac atttgcctta ggacaccatc cgagagggca gcaggaggat cagacaggat 240
 ggctatggta tagtgcgact tctttacaac ttcggcagga gtgcttccta tggaaagcacc 300
 ttgctgaaca aagttcttca cacctagaca tttgtcctat tccgcacggt cacct 355

<210> 127
 <211> 441
 <212> DNA
 <213> Pinus taeda

<400> 127
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 gtggtccaat ggagaagggg aagaccaagt gcctatcctg attttgggtg cgcttggttct 120
 tgggtgtagag aagatcaacc caaggatatgt accatcactt cgtgaaacgt tcacatttcc 180
 ccaaagtctt ggtattgctg gtggaaagcc tggagcttca acgtatattg ttggtgttca 240
 ggatgatcag gctctgtact tagatccaca tgtagtgcag caggtgggtg agatatctcc 300
 tgataatatg ggggttgata ctggttctta tcattgcagt gatgttcgcc actgccactt 360
 aatgctattg atccatcatt agctataggt ttttactgcc cggaatagaa ataattttga 420
 caacttgtgc ttacggcacc t 441

<210> 128
 <211> 437
 <212> DNA
 <213> Pinus taeda

<400> 128
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 gtggtccaat ggagaagggg aagaccaagt gcctatcctg attttgggtg cgcttggttct 120
 tgggtgtagag aagatcaacc caaggatatgt accatcactt cgtgaaacgt tcacatttcc 180
 ccaaagtctt ggtattgctg gtggaaagcc tggagcttca acgtatattg ttggtgttca 240
 ggatgatcag gctctgtact tagatccaca tgtagtgcag caggtgggtg agatatctcc 300
 tgataatatg ggggttgata ctggttctta tcattgcagt gatgtaccca ctgccactta 360
 gtgctattga tccatcatta gctataggtt ttactgcggg aatagaaaaa ttttgacaac 420
 ttgtgcttac ggtccct 437

<210> 129
 <211> 434
 <212> DNA
 <213> Pinus taeda

<400> 129
 aggtgaccgt gctaggacac acaatttctc agcaaggatt acaggtggat cctaacaaaa 60
 ttgctataat tcaaaagggt ccacctcctt aaaaggtaag agatgttttg agttttctag 120
 gcttggcagg atattataga agattcatca aagatttcat taagctagcc tcgccattgt 180
 ctagcctctt agggaaagat gttgagtttc aatggactga tgactgccaa ggggctctgg 240
 atgagttgag agataagctg gtatccgccc cgatcttgag aggtctaaac tgggccctac 300
 ctttccacat ccacattgat gcctcgaaca aagccatagg ggcagcctta ggacaagttg 360